

Skorniyakov, N.N.

Speeding of aging processes in aluminum-copper alloys by small silver and zinc concentrations. II. V. I. Arkharov and N. N. Skorniyakov. *Trudy Inst. Metal., Akad. Nauk S.S.S.R., Ural. Filial* 1955, No. 16, 91-6. The presence of a 3rd corpd. in a binary supersatd. soln. may speed aging either by reducing the soly. of the solute throughout the metal or by concg. at the structural heterogeneities of the solid soln., such as grain boundaries and those of blocks of mosaic structure, the latter case being heterophilic, i.e. positively acting in respect to internal adsorption. The paper intends to det., which of these mechanisms is valid in this system. Alloys of Al and 4% Cu with and without 0.2 Ag or 0.2% Zn were forged, drawn to a wire, quenched from 520°, aged at 360-400° for 48 hrs., and examd. with x-rays. All specimens showed a full complex of lines corresponding to Al-Cu solid soln., and some of them showed the two main lines of the CuAl<sub>2</sub> phase at a given temp. and time. They were always seen when either Ag or Zn were present, in other words aging is more rapid when they are present suggesting their heterophilic nature. J. D. Gat

Metal

2

of

SKORNYAKOV, N. N.

Physico-  
Metallic

Microbatgenographic study of internal intercrystalline  
adsorption of silver in an aluminum-silver alloy. V. I.  
Arkharov and N. N. Skorniyakov. *Trudy Inst. Fiz. Metal,*  
*Akad. Nauk S.S.S.R., Ural. Filial* 1955, No. 16, 97-100. —  
If a solvent has a low at. no. and the horophilic constituent  
(cf. C.A. 49, 15339a) is a heavy element, the boundary  
zones of a grain should absorb more x-rays than should the  
interior. The Al-Ag system meets these conditions. An  
alloy of 98.5% Al and 1.5% Ag was forged into a bar,  
heated 4 hrs. at 550°, and quenched. Its surface was  
metallographically polished, etched, and suitable areas  
contg. 1-mm. grains were marked with a scratch. A slice  
1-2 mm. thick carrying the marked areas was cut from the  
sample and ground to 0.1 mm. thickness. The polished  
face was then cemented to a Pb plate, the marked areas  
coinciding with the hole in it, a photographic plate placed  
against the sample and exposed to x-rays passing through the  
hole. After being developed the film was photographed at  
25-magnifications and compared with the photomicrograph  
of the same area taken at the same magnification. Light  
streaks on the x-ray photograph corresponded to grain  
boundaries on the photomicrograph, though they were not  
found at every grain boundary. Since the horophilic effect  
depends on the orientation of the adjoining grains, and a  
max. screening effect is obtained when the boundaries are  
perpendicular to the plane of observation, these data well fit  
the theory that Ag has a horophilic effect when present in Al.

I. D. Gat

STUDENTSOV, V.I.; SKORNYAKOV, N.V.

Reinforced mine shaft. Gor.zhur. no.5:58-59 My '56. (MIRA 9:8)

1. Trest Altaysvinetsshakhtostroy.  
(Leninogorsk--Shaft sinking)

SKORNYAKOV, S.

Crop rotation is the basis of an advanced agriculture. Inform.  
biul. VDNKH no.12:24-26 D '64 (MIRA 18:2)

1. Glavnyy agronom sovkhoza "Zarya kommunizma" Moskovskoy  
oblasti.

SKOBEL' KOV, S.

Crop rotations in the kolkhoz "Borets" Moskva Moskovskii rabochii, 1952. 65 p.

SKORNYAKOV, S.

Potatoes

Planting potatoes in checkrows. Kolkh. proizv., 12, No. 3, 1952.

Monthly List of Russian Accessions, Library of Congress, June 1952. Unclassified.

1. SKORNIYAKOV, S.M.
2. USSR (600)
4. Mustard
7. Diversified use of white mustard., Sov. agron, 10, no. 12, 1952.
9. Monthly List of Russian Accessions, Library of Congress, February 1953, Uncl.

1. SKORNYAKOV, S. M.
2. USSR 600
4. Moscow Province - Wheat
7. Wheat in Moscow Province, Sov. agron, 11, No. 2, 1953.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.



Podmoskovnyy Volkhoz "Borets"

Podmoskovnyy Volkhoz "Borets" (The "Borets" Collective Farm Near Moscow)  
Moskva, Sel'Khozgiz, 1954.  
266 P. Illus., Ports., Tables.

SO: 527H/5  
722.101  
.S6

SKORNYAKOV, Sergey Mikhaylovich, agronom; KOBRIN, B., redaktor; YAKOVLEVA, Ye.  
tekhnicheskii redaktor

[Organization of production on a consolidated collective farm; an  
agronomist's notebook] Organizatsiia proizvodstva v ukрупnennom  
kolkhoze; zametki agronoma. [Moskva] Moskovskii rabochii, 1956.  
107 p. (MLRA 10:2)

1. Kolkhoz "Borets", Bronnitskogo rayona (for Skorniyakov)  
(Collective farms)

SKORNYAKOV, S. M.: Master Agric Sci (diss) -- "The development of a system of crop rotation and its effectiveness in the central portion of the non-chernozem belt, on the example of the 'Borots' kolkhoz, Bromitskiy Rayon, Moscow Oblast". Moscow, 1959. 18 pp (Moscow Order of Lenin Agric Acad ia K. A. Timiryazev), 110 copies (KL, No 18, 1959, 127)

SKORNYAKOV, S.M., zasluzhennyy agronom RSFSR; KAMYNIN, M.I., kand.sel'-  
skokhozyaystvennykh nauk

Utilizing results of soil investigations. Zemledelie 7 no.4:77-84  
Ap '59. (MIRA 12:6)  
(Soil surveys)

SKORNYAKOV, S.M., kand. sel'skokhoz. nauk, zasluzhennyy agronom RSFSR

Improvement of agriculture and the rotations of crops. Zemledelie  
27 no.2:19-26 F '65. (MIRA 18:4)

1. Glavnyy agronom-Sovkhoza "Zarya kommunizma", Moskovskoy oblasti.

SKORNYAKOV, S. YA.

7639+40. SKORNYAKOV, S. YA. — Opyt primeneniya uprugoy massy v prispособleniyakh dlya mekhanicheskoy obrabotki detaley. L., 1954. 21 sm. (vsesoyuz. O-vo po rasprostraneniyu polit. i nauch. znaniy. Leningr. dom. nauch.-tekhn. propagandy. listok novatora....) 3.800 ekz. -- avt. ukazan v kontse teksta  
621.9-2 & 679.5.004  
vyp. 1. 12 s. s chert. (...No.35 (274))30 K. --(55,649zh)  
vyp. 2. 10 s. s ill. (...No. 36 (275)) 20 K. -- (54-15981 zh)

SO: Knizhnaya Letopsis', Vol. 7, 1955

SKORNYAKOV, S. Ya.

Torque measuring instruments. Izv. tekhn. no. 4:38-39 J1-Ag '55.  
(Torsion balance) (MIRA 8:10)

SKORNYAKOV, S. Ya.

Honing chuck for machining conical holes. Stan. i instr. 26  
no. 5:28-29 My '55. (MIRA 8:8)  
(Grinding and polishing) (Chucks)



PHASE I BOOK EXPLOITATION SOV/5676

Azarov, A. S., Candidate of Technical Sciences, Docent, ed.

Prisposobleniya dlya gruppovoy obrabotki detaley; opyt nekotorykh  
leningradskikh zavodov (Equipment for Group Machining of  
Machine Parts; Experience of Certain Leningrad Plants)  
[Leningrad] Lenizdat, 1960. 254 p. 3,000 copies printed.

Scientific Ed.: P. I. Bulovskiy, Doctor of Technical Sciences,  
Professor; Ed.: A. E. Lepin; Tech. Ed.: R. G. Pol'skaya.

PURPOSE : This collection of articles is intended for technical  
personnel and skilled workers in machine and instrument plants;  
it may also be used by students in schools of higher technical  
education and tekhnikums.

COVERAGE: Basic principles in the design of universal, universal-  
setup, and group-machining jigs and fixtures are stated. This  
equipment is also considered from the standpoint of its appli-  
cation in several Leningrad machine and instrument plants.

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# Equipment for Group Machining of (Cont.)

SOV/5676

Examples are given for the grouping of parts according to shape or special processing features. Constructions for group-machining fixtures are presented, and certain problems encountered in parts machining, fixture design, and cutting regimes are discussed. Calculations relating to the economic effectiveness of various types of jigs and fixtures are included in some of the articles. No personalities are mentioned. There are no references.

## TABLE OF CONTENTS:

Foreword

3

Mitrofanov, S. P. [Candidate of Technical Sciences, Lenin Prize Winner]. Methods of Designing Group-Machining Fixtures, and Examples of Their Application

5

Azarov, A. S. and S. T. Gutkin. Fixtures for Group Machining Various Parts of Accessories

52

Card 2/3

SKORNYAKOV, Sergey Yakovlevich; SEMENENKO, P.A., inzh., red.;  
SHILLING, V.A., red. izd-va; BELOGUROVA, I.A., tekhn. red.

[Multiple milling attachments with hydroplastic materials  
operated by oleo-pneumatic boosters] Mnogomestnye frezernye  
prispособleniia s gidroplastom, deistvuiushchie ot pnevmogidro-  
usilitelia. Leningrad, 1961. 9 p. (Leningradskii Dom nauchno-  
tekhnicheskoi propagandy. Obmen peredovym opytom. Seriya: Me-  
khanicheskaja obrabotka metallov, no.21) (MIRA 14:12)  
(Milling machines--Attachments)

ACC NR: AP6032009

SOURCE CODE: UR/0115/66/000/009/0082/0084

AUTHOR: Skorniyakov, S. Ya.

ORG: none

TITLE: Instrument for checking helical springs

SOURCE: Izmeritel'naya tekhnika, no. 9, 1966, 82-84

TOPIC TAGS: quality control, helical spring

ABSTRACT: A new instrument has been developed for checking the length of helical springs which are used in compressor spherical valves. The light from lamp 1 (see Figure 1) is concentrated by condensor 2 and directed to screen 3 with a slit; then, the beam enters objective 4 which, via mirrors 6 and 7, projects the slit image on screen 5. The test spring K (see Figure 2) is placed between a fixed and a movable contact and closes the grid circuit of an indicator tube ("magic eye") at the instant of

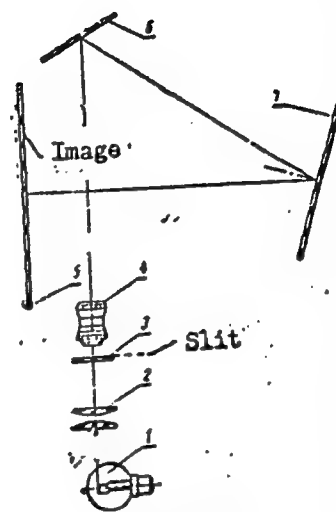


Figure 1

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UDC: 531.715

ACC NR: AP6032009

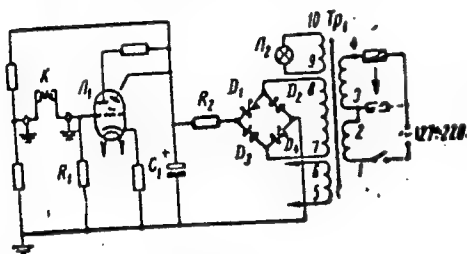


Figure 2

length measurement. Both free and loaded springs can be measured. The measurement range is 8—14.5 mm. Orig. art. has: 3 figures.

SUB CODE: 13, 09 / SUBM DATE: none

Card 2/2

SKORNYAKOV, V.A.  
SKORNYAKOV, V.A.

Runoff in the upper Yenisey Basin. Izv. AN SSSR. Ser. geog. no.6:  
98-104 N-D '57. (MIRA 11:1)

1. Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova.  
(Yenisey Valley--Runoff)

SKORNYAKOV, V.A.

Distribution of average runoff moduli for several years in the  
basin of the upper Yenisey. Meteor. i gidrol. no.8:43-44 Ag '57.  
(Yenisey Valley--Runoff) (MLRA 10:8)

SKORNIYAKOV, V.A.

Boris Aleksandrovich Apollon; 1889 - : on his 75th birthday  
and the 50th anniversary of his work. Meteor. i gidrol. no.7:  
57-58 '62 (MIRA 17:8)



SKORNYAKOV, V.B., kandidat tekhnicheskikh nauk.

Determination of bar stresses forged in a slotted die. Trudy Ural.  
politekh.inst. no.42:87-96 '55. (MLRA 9:8)  
(Strains and stresses) (Sheet-metal work)

MIKHAYEV, Valentin Aleksandrovich; YEFIMOV, L.A., inzh., retsenzent;  
SKORNYAKOV, V.B., kand.tekhn.nauk, red.; DUGINA, N.A., tekhn.red.

[Superpressure hydraulic presses] Gidropressovye ustanovki  
sverkhvysokikh davlenii. Moskva, Gos.nauchno-tekhn.izd-vo  
mashinostroit.lit-ry, 1958. 117 p. (MIRA 12:1)  
(Hydraulic presses)

SKORNYAKOV, V.B., kand.tekhn.nauk; RADUNSKIY, O.V., inzh.

Determining the area of the horizontal projection of the seat of  
deformations caused by rolling in oval and square grooves. Trudy  
Ural. politekh.inst. no.78:58-73 '60. (MIRA 14:5)  
(Rolling (Metalwork))  
(Deformations (Mechanics))

SKORNYAKOV, V.B., kand.tekhn.nauk

Design of horizontal forging machines with a mechanism without  
connecting rods. Trudy Ural.politekh.inst. no.78:102-110 '60.  
(MIRA 14:5)

(Forging machinery)

ZLATKIN, Moisey Grigor'yevich; DOROKHOV, Nikolay Nikolayevich; LEBEDEV, Nikolay Ivanovich; MAKAROV, Nikolay Yevgen'yevich; NEYSHTAT, Zya-ma Fal'kovich; SYCHEV, Arkadiy Mikhaylovich; SKLYUYEV, P.V., kand. tekhn. nauk, retsenzent; TASHCHEV, A.K., kand. tekhn. nauk, retsenzent; TRUBIN, V.N., kand. tekhn. nauk, retsenzent; VSHIVKOV, P.P., inzh., retsenzent; KON'KOV, A.S., inzh., retsenzent; LEBEDEV, N.S., inzh., retsenzent; POTEKUSHIN, N.V., inzh., retsenzent; TYAGUCHOV, V.A., doktor tekhn. nauk, red.; SOKOLOV, K.N., kand. tekhn. nauk, red.; SKORNYAKOV, V.B., red.; YAROSHENKO, Yu.G., red.; ZAKHAROV, B.P., inzh., red.; AMIROV, I.M., inzh., red.; MYSHKOVSKIY, V.A., inzh., red.; SHELEKHOV, V.A., inzh., red.; BOGOMOLOV, O.P., inzh., red.; KATS, I.S., inzh., red.; LEVANOV, A.N., inzh., red.; DUGINA, N.A., tekhn. red.

[Handbook on forging practices] Spravochnik rabocheho kuznechno-shtampovohnogo proizvodstva. By M.G.Zlatkin i dr. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1961. 776 p.

(MIRA 14:9)

(Forging—Handbooks, manuals, etc.)

S/148/61/000/006/003/013  
E193/E483

AUTHORS: Tarnovskiy, I.Ya., Levanov, A.N., Skornyakov, V.B.  
Marants, B.D.

TITLE: Investigation of contact friction forces during  
reduction (by forging)

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Chernaya  
metallurgiya, 1961, No.6, pp.53-59

ABSTRACT: When operations of the squeezing group are used to form a metal component, the working pressure required to effect the plastic deformation, the character of the metal flow and the distribution of stresses and strains depend upon the frictional forces in the area of contact between the tool and the metal being worked. Experimental determination of these forces has been the subject of many investigations in which, however, methods and equipment both complex and inaccurate have been used. In the present paper, its authors describe a simple equipment with the aid of which accurate data on the contact friction forces can be obtained, irrespective of whether static or dynamic loads are used to deform the metal. The equipment (Fig.1a) comprises a measuring block (2), split in the centre and held together by a rod (4) incorporating wire strain

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gauges. The measuring block is placed horizontally between the upper (3) and lower (1) plates of a sub-press assembly, so that two test pieces (shown in the diagram by cross-hatching), placed on either side of the measuring block, can be simultaneously deformed. The test pieces must be placed precisely in line and, in the case of cylindrical specimens, a jig (shown in Fig.1b) is used for this purpose. In both the upper and lower heads pins (6 and 7), sliding freely in their bushes, are inserted. One end of each pin is in contact with the test piece, the other presses against a measuring rod (5 and 8), also equipped with wire strain gauges. The position of the measuring block can be changed with the aid of an adjusting pin (9). When pressure is applied to the sub-press, assembled as shown in Fig.1a, the normal forces in the area of contact between the measuring block and the two test pieces balance each other. The sum of the two friction forces is transmitted onto the measuring rod (4). Consequently, the rod is under the action of a force which is twice the contact friction force, acting in a given part of the contact area whose magnitude depends upon the position of the test piece in relation to the plane of contact of two halves of the measuring block. The pressure exerted on the

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test pieces is transmitted by the pins (6 and 7) onto the measuring rods. Pressure and friction forces are recorded with the aid of an oscillograph. This method can be used for measuring the contact friction forces both during flat deformation and during compression of cylindrical specimens deformed at various rates of strain. By varying the distance  $S$  between the centres of the test pieces and the parting plane of the measuring block, the integrated contact friction force can be determined as a function of  $S$  and tangential stresses at any point of the contact area can be calculated. In the case of flat, rectangular test pieces, the calculation consists of differentiation of the experimentally determined relationship between the integrated friction force and  $S$ . The treatment becomes more complex for a cylindrical test piece, axially compressed. In this case, the relationship between the tangential stresses and the experimentally determined equivalent force  $F(s)$  acting on the segment determined by the distance  $S$  (Fig.2) is given by

$$F(s) = 2 \int_{r_K}^R \int_{\varphi_0}^{\frac{\pi}{2}} \tau(r) r \sin \varphi \, d\varphi \, dr \quad (1)$$

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Investigation of contact friction ... S/148/61/000/006/003/013  
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where  $r$  and  $\varphi$  are the polar coordinates of points on the contact area,  $\tau(r)$  is the sought function of the distribution of the tangential stresses along the radius of the contact area and  $r_k$  is the current value of the radius determining the boundary of a given segment along the cord. A method of solving this equation is given and applied to experiments in which the contact friction forces were measured during axial compression of cylindrical lead specimens of 36 mm diameter and 36, 12, 6 and 3 mm high. Thirty tests were carried out for each  $d_0/h_0$  ratio, where  $d_0$  and  $h_0$  denote the diameter and height of the specimens, respectively. The specimens were compressed to approximately 12% reduction in thickness at a strain rate of 6 mm/min. The surface finish of the measuring instrument was  $\nabla_9$ . The results are reproduced graphically. Those obtained for specimens with  $d_0/h_0 = 1$  are shown in Fig.4, where  $F$  (kg, left-hand scale, curve 1),  $\tau$  (kg/mm<sup>2</sup>, right-hand scale, curve 2) and pressure  $p$  (kg/mm<sup>2</sup>, right-hand scale, curve 3) are plotted against  $S$  (mm). The results obtained for specimens with  $d_0/h_0 = 12$  are shown in the same manner in Fig.7. The results of the present

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investigation confirmed the earlier views (Ref.9: I.Ya.Tarnovskiy, A.A.Pozdeyev, O.A.Ganago. "Deformation and forces in pressure forming of metals", Mashgiz, 1959) on the relationship between the friction forces and the geometry of the deformed specimens and on the distribution of these forces in the contact area. They also confirmed the fact (Ref.10: A.I.Tselikov, Stal', 1958, No.5) that the contact friction forces increase as the  $d_0/h_0$  of the specimen increases. There are 7 figures and 10 Soviet references.

ASSOCIATION: Ural'skiy politekhnicheskiy institut  
(Ural Polytechnical Institute)

SUBMITTED: May 4, 1960

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S/032/61/027/004/023/028  
B103/B201

AUTHORS: Skornyakov, V. B. and Levanov, A. N.

TITLE: Special strikers (boyek) for testing the frictional forces  
in plastic settling (osadka)

PERIODICAL: Zavodskaya laboratoriya, v. 27, no. 4, 1961, 470-471

TEXT: The authors have developed special strikers with a measuring block, which serve for determining full frictional forces and the distribution of tangential stresses over the contact surface in plastic settling (Fig. 1). The following procedure is suggested: two identical samples (cylinders or parallelepipeds) are settled, with one sample being placed on the lower striker 1, and the other on the measuring block 2 immediately above the former sample. The upper striker 3 is placed from above. An accurate superposition of the two samples is achieved by a paired prismatic pattern (Fig. 1 6). The measuring block consists of two halves which are kept together by a dynamometer needle (siloizmeritel'naya shpil'ka) 4. Wire strain gauges are glued onto this needle. The pressures arising between the block as well as between the lower and upper sample balance,

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whereas the frictional forces sum up and are transmitted via the block halves onto needle 4. In this manner, the needle receives the frictional forces arising on two equal contact surfaces. These normal pressures in equilibrium cause the block halves to be also, among other things, elastically deformed in the direction of the axis of needle 4. With a view to eliminating the effect of these deformations upon the frictional force to be measured, the authors have worked out a design of the block (Fig. 2), that leaves a clearance  $\delta$  at the contact of the halves, which is larger than the value of the total elastic deformation.  $\delta$  must be, however, narrow enough, so as to prevent the metal from flowing in. The inserted pins 5 (Fig. 1) permit an elevation adjustment of the block for samples of different sizes. The two strikers 1 and 3 are equipped with measuring pegs 6 and 7 for the measurement of normal pressures. They transmit the pressures onto the measuring rods 8 and 9, where wire strain gauges are also glued on. The magnitude of frictional force and the pressure on the two pegs 6 and 7 are recorded by an oscilloscope at every instant of settling. The curve showing the total frictional force  $F$  as a function of the magnitude of displacement  $S$  (Fig. 1 a) is obtained by the displacement of the center of the samples with respect to the contact

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B103/B201

Special strikers (boyek) for ...

plane of the block halves. The mathematical interpretation of the resulting dependence  $F(S)$  allows the determination of magnitude and distribution of tangential stresses over the contact surface. In case of a flat deformation this interpretation bases upon the differentiation of the exponential curves obtained. It is complicated in cylindrical samples and requires cumbersome calculations. The said interpretation is considerably simplified by using a measuring block with annular joint (Fig. 3). A set of inserts and half-rings of different sizes is needed to determine the total frictional force as a function of the magnitude of the inside diameter of the annular plane. A block with a cantilever arrangement of the dynamometer needle is suited for tests of frictional forces on hot steel. The needle is in this case at some distance from the hot samples, and the operation part may be thin. The effect of normal pressures on the block is thus reduced. The authors' tests have proved that durable results can be achieved by their method and their design. There are 3 figures. ✓

ASSOCIATION: Ural'skiy politekhnicheskii institut im. S. M. Kirova  
(Ural Polytechnic Institute imeni S. M. Kirov)

Card 3/5

SHVEYKIN, V.V., prof., doktor tekhn. nauk; SKORNYAKOV, V.B., asistent,  
kand. tekhn. nauk

Principles of the modern theory of deformation and stresses in  
cross rolling and screw rolling. Sbor. nauch. trud. Ural.  
politekh. inst. no.122:243-253 '61. (MIRA 17:12)

21  
SHURAVLEV, Mikhail Vasil'yevich; SKORNYAKOV, Venedikt Borisovich;  
LEDNEV, M.P., retsenzent; GUBASHEV, N.I., red.; SKOROBOGACHEVA,  
A.P., red.izd-va; MATLYIK, R.M., tekhn. red.

[Cleaning and finishing of rolled products] Otdelka prokata.  
Sverdlovsk, Metallurgizdat, 1962. 215 p. (MIRA 16:2)  
(Rolling (Metalwork)) (Metals--Finishing)

SVEIKIN, V.V. [Shveykin, V.V.]; SKORNEAKOV, V.B. [Skornyakov, V.B.]

Use of the optical polarization method in the study of the  
deformations and tensions in transversal lamination. *Analele*  
*metalurgie* 16 no.4:122-129 O-D '62.



SKORNYAKOV, Vladimir Il'ich; AYNZAFI, Yu.S., red.

[Sea breams and their fishing] Morskoe karasi i ikh promysel. Moskva, Pishchevaia promyshlennost', 1964. 34 p.  
(MIRA 17:10)

PROSVIROV, Ye.S.; SKORNYAKOV, V.I.; BATAL'YANTS, K.Ya. Prinimali uchastiye: VOLYA, G.S.; PENTYUKHOV, V.I.; SHMONINA, M.V. PASHCHINSKAYA, G., red.izd-va; NIKOLAYEVA, T., tekhn.red.

[Commercial and some noncommercial fishes of the western coast of Africa (from the Levrier Bay to the Gulf of Guinea); textbook for fishery workers] Promyslovye i nekotorye nepromyslovye ryby zapadnogo poberezh'ia Afriki (ot bukhty Levrie do Gvineiskogo zaliva); posobie dlia promyslovikov. Kalinin-grad, 1961. 175 p. (MIRA 15:2)

1. Konigsberg. Baltiyskiy nauchno-issledovatel'skiy institut morskogo rybnogo khozyaystva i okeanografii. 2. Baltiyskiy nauchno-issledovatel'skiy institut morskogo rybnogo khozyaystva i okeanografii (for Prosvirov, Skorniyakov, Batal'yants). (Atlantic Ocean--Fishes)

SKORNYAKOV, V.I. .

Characteristics of the distribution and state of the abundance of  
bank herring in the Norwegian Sea in 1959. Trudy BaltNIRO no.7:  
50-58 '61. (MIRA 15:2)

(Norwegian Sea--Herring)

SKORNYAKOV, V.M.

Yawing of the anchored ship. Meteor. 1 gidrol. no.4:48-49  
Ap '61. (MIRA 14:3)

(Ocean currents) (Anchorage)

SKORNYAKOV, V.M.

Lightweight attachable floats of a new design. Meteor.i gidrol.  
no. 7837 J1 '61. (MIRA 14:6)  
(Oceanographic instruments)

L. 1-05 EIA(h)/EIA(n) DI

8/002/05/010/002/000/0301

AD: 00000001

Y. I.; Shchegolev, A. D.; Ignatova, A. S.; Tikhonov, V. V.;  
V. V.

THE: Radioactive fallout in the far eastern shore of the Pacific in 1962--1963

BOOK: Atomnaya energiya, v. 18, no. 3, 1965, 300-301

TOPIC TAG: radioactive fallout, atmospheric contamination

ABSTRACT: The methods for gathering, processing, and determining the beta activity of dry fallout and atmospheric precipitation were described in "Radioaktivnyye zashchasheniya vneshtney sredy" [Radioactive Contamination of An External Medium], Gostizdat 1962). The precipitation was gathered monthly with the aid of a precipitation meter of 200 cm<sup>2</sup> surface. The contamination of the surface layer of the ground was determined daily by a suitably calibrated field gamma radiometer. The results gathered at four points on the far eastern shore of the Pacific were averaged. Plots are presented of the monthly fission-products fallout and radioactive contamination of the ground surface, of the time variation of the ratio of the intensities of fallout at various points after cessation of the influx of fis-

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L 45597-65

ACCESSION NR: AP5009131

0  
sion products in the stratosphere, and of the dependence of the degree of retention of fission products in the ground surface layer on the age of the fission products and the amount of atmospheric precipitation. The values calculated for the average energy of the beta radiation of the fallout in the fall of 1962 and in 1963 amounted to 1.0 and 1.4 MeV, respectively, which agrees with the published data. The effects of absorption of radioactive decay of different elements are briefly discussed. Orig. cont. has: 3 figures and 1 table.

12-783  
003

ENCL: 00

SUB CODE: NP, DC

OTHER: 001

Ca: 12-783

KHOMUTOV, N.Ye.; SKORNYAKOV, V.V.; FADEYEVA, T.P. (Moscow)

Effect of the electrode material on the electrolytic reduction  
of streptomycin to dihydrostreptomycin. Zhur. fiz. khim. 38  
no.1:102-107 Ja'64. (MIRA 17:2)

1. Khimiko-tekhnologicheskii institut imeni Mendeleyeva.



KHOMUTOV, N.Ye.; SKORNYAKOV, V.V.

Electroreduction of oxygen in sulfate solutions of streptomycin. Zhur. fiz. khim. 38 no.2:342-344 F '64. (MIRA 17:8)

1. Moskovskiy khimiko-tekhnologicheskii institut imeni Mendeleyeva.

KHOMUTOV, N. Ye.; SKORNYAKOV, V.V.; BELIK, V.V.

Kinetics of the electrolytic reduction of streptomycin on  
various metals. Zhur. fiz. khim. 39 no. 1:222-227 Ja '65  
(MIRA 19:1)

1. Khimiko-tekhnologicheskii institut imeni D.I. Mendeleyeva,  
Moskva. Submitted February 25, 1964.

TO AMEMB, WASHINGTON, DC, FROM V. V. V.

Information and use of information in connection with  
employment of personnel. (MIRA 18.12)  
(MIRA 18.12)

V. V. V. (MIRA 18.12) (MIRA 18.12)  
MIRA 18.12 (MIRA 18.12)

SKOROVY, [Ya. M.]

"Concerning the Treatment of Foot-and-Mouth Disease". Sov. veterin., 1940, No 11-12. (Bibliography for Article Foot and Mouth Disease by A. J. Skomorokhov State Publishing House for Agricultural Literature, Moscow/Leningrad, 1947.)

CO: U-1025, 11 January 1952 p 490

SKORNYAKOV, YA. M.

Works of the Alma-Ata Veterinary-Zootecchnical Institute, vol. V, 1948, In the collected works are published the articles by:

SKORNYAKOV, YA. M. Disinsectalin as an antiparasitic remedy in the struggle against skin parasites of animals.

So: Veterinariya; 26; 7; July 1949; Uncl.  
TABCON

SKORNYAKOV, YA. M.

Works of the Alma-Ata Veterinary-Zootechnical Institute, vol. V, 1943. In the collected works are published the articles by:

SKORNYAKOV, YA. M. On the diagnosis of helminthous invasions of the 'forestomach' gland in cattle.

So: Veterinariya; 26; 7; July 1949; Uncl.  
TABCON

SKORNYAKOV, YA. M.

Works of the Alma-Ata Veterinary-Zootechnical Institute, vol. V, 1948. In the collected works are published the articles by:

SKORNYAKOV, YA. M. Use of alcohol in diseases of the digestive tract in fowl.

So: Veterinariya; 26; 7; July 1949; Uncl.  
TADCON

SKORNIYAKOV, YA. M.

Works of the Alma-Ata Veterinary-Zootechnical Institute, vol. V, 1948. In the collected works are published the articles by:

SKORNIYAKOV, YA. M. On verification of the immunity in inoculated sheep with the brucellosis asponin-vaccine.

So: Veterinariya; 26; 7; July 1949; Uncl.  
TABCON



SKORNYAKOV, Ya.M., prof.

Materials on electrocardiography in sheep and changes in its indices effected through the central nervous system. Trudy AZVI 9:205-206 '56. (MIRA 15:4)

1. Iz kafedry klinicheskoy diagnostiki (zav. kafedroy - doktor prof. Ya.M. Skornyakov) Alma-Atinskogo zooveterinarnogo instituta. (Electrocardiography) (Sheep-Physiology) (Nervous system)

SKORNYAKOV, Ya.M., prof.

Professor M.I. Ivanov, Honored Scientist of the Kazakh S.S.R. on  
the thirtieth year of his scholarly and public activity. Trudy  
AZVI 10:583-585 '57. (MIRA 12:8)  
(Ivanov, Maksim Ivanovich, 1895-)

SERGEYEV, N.N.; YEL'CHINSKIY, A.I.; EL'KIND, I.L.; KUVAYTSEV, A.A.  
SKORNYAKOV, Yu.G.

Accelerated development and methods of mining. Gor. zhur.  
no. 11:24-30 N '60. (MIRA 13:10)

1. Kazgiprotsvetmet, Ust'-Kamenogorsk.  
(Kazakhstan--Copper mines and mining)

L 20751-66 EWA(h)/EWP(c)/EWP(k)/EWT(d)/EWT(m)/EWP(h)/ETC(m)-6/ETC(f)/EWG(m)/T/EWP(i)

ACC NR: AP6009625 EWP(e)/EWP(v)/EWP(s) SOURCE CODE: UR/0182/66/000/003/0001/0003  
IJP(c) AT/WH/JD/HW/JG

AUTHOR: Zhivov, L. I.; Semenov, Yu. N.; Skornyakov, Yu. N.; Shmakov, G. S.

ORG: none

TITLE: Investigation of hot compacting and extrusion of sintered copper-boron nitride alloy

SOURCE: Kuznechno-shtampovochnoye proizvodstvo, no. 3, 1966, 1-3

TOPIC TAGS: copper alloy, boron nitride containing alloy, alloy compacting, hot compacting, sintered alloy, alloy extrusion

ABSTRACT: Electrolytic copper powder PM-2 mixed with 1, 2, 3, 4, or 5% boron nitride was compacted under 4 t/cm<sup>2</sup> pressure into briquettes 38 mm in diameter and 30 mm high. Briquettes were sintered at 920C for 2 hr in ammonia gas and extruded at 700, 800, or 900C to 12, 16, and 20 mm in diameter, i. e., with respective extrusion ratios  $\epsilon = 2.41, 1.87, \text{ and } 1.39$ . With these reductions the bars had a density of 98%. Lower reduction ( $\epsilon = 1.2$ ) produced bars with 95% density, whose electric conductivity was found to be lower. Examination of the microstructure and hardness tests of alloys annealed at 300—800C showed that recrystallization of copper-boron nitride alloys proceeds much slower than that of copper. Sintered copper underwent a complete recrystallization in two hours at 800C, while copper-boron nitride alloys still had the deformation texture. The alloys with a high content of boron nitride require a high

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ACC NR: AP6009625

extrusion pressure. This can be explained by the recrystallization delaying effect of the dispersed boron-nitride phase. High-quality extrusions from this alloy can be obtained by extrusion at 820—880C with ratios of at least 2.0 for alloys with 2% boron nitride, or at least 2.4 for alloys with 2—5% boron nitride. Orig. art. has: [ND]

SUB CODE: 13, 11/ SUBM DATE: none/ ORIG REF: 003/ OTH REF: 001/ ATD PRESS: 4224

Card

2/2

SKOGHIAKO, Yu.T.

Third Plenum of the Central Administration of the Scientific  
Technological Society of Nonferrous Metallurgy held in Moscow  
Oct. 23, 1964. TSvet. met. 38 no.2:93 F '65.

(MIRA 18:3)

SKORNYAKOV, Yu.P.

The IV Plenum of the Central Administration of the Scientific  
Technological Society for Nonferrous Metallurgy. Cor. 1347.  
no.4176-77 An '65. (MIRA 18:5)

1. Uchenyy sekretar' Tsentral'nogo pravleniya Nauchno-tekhnicheskogo  
obshchestva tsvetnoy metallurgii.

KRYSENKO, N.S.; POZNYAKOV, V.Ya.; GAZARYAN, L.M.; ZADOV, Ye.B.;  
KADYRZHANOV, K.K.; KUZ'MIN, A.V.; TROITSKIY, A.V.; LEZGINTSEV, G.M.;  
MITROFANOV, S.I.; SOLOV'YEV, V.Ya.; SOBOL', S.I.; MYAGKOVA, T.M.;  
GAYLIT, A.A.; GENIN, N.N.; GRATSERSHTEYN, I.M.; SKORNYAKOV, Yu.T.,  
referent

Fourth plenum of the central administration of the Scientific  
Technological Society for Nonferrous Metallurgy. TSvet. met.  
38 no.5:90 My '65. (MIRA 18:6)

1. Chlen TSentral'nogo pravleniya Nauchno-tekhnicheskogo obshchestva  
tsvetnoy metallurgii i zavod "Ukrts'ink" (for Krysenko).
2. Chlen  
TSentral'nogo pravleniya Nauchno-tekhnicheskogo obshchestva tsvetnoy  
metallurgii i "Severonikel'" (for Poznyakov).
3. Institut metallur-  
gii im. Baykova (for Gazaryan).
4. Predsedatel' soвета Nauchno-  
tekhnicheskogo obshchestva Kol'chuginskogo zavoda OTsM (for ZadoV).
5. Chlen TSentral'nogo pravleniya Nauchno-tekhnicheskogo obshchestva  
tsvetnoy metallurgii, Sovet narodnogo khozyaystva Kazakhskoy SSR  
(for Kadyrzhanov).
6. Predsedatel' gorno-geologicheskoy sekti  
TSentral'nogo pravleniya Nauchno-tekhnicheskogo obshchestva tsvetnoy  
metallurgii; Gosudarstvennyy komitet Soveta Ministrov RSFSR po  
koordinatsii nauchno-issledovatel'skikh rabot (for Kuz'min).
7. Chlen TSentral'nogo pravleniya Nauchno-tekhnicheskogo obshchestva

(Continued on next card)



KHAYSENKO, N.S.--- (continued) Card 2.

tsvetnoy metallurgii, Sovet narodnogo khozyaystva SSSR (for Troitskiy). 8. Gosudarstvennyy institut po proyektirovaniyu predpriyatiy tsvetnoy metallurgii (for Lezgintsev). 9. Gosudarstvennyy nauchno-issledovatel'skiy institut tsvetnykh metallov (for Mitrofanov, Sobol', Genin). 10. Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut splavov i obrabotki tsvetnykh metallov (for Schlov'yev). 11. Vsesoyuznyy nauchno-issledovatel'skiy i proyektnyy institut mekhanicheskoy obrabotki poleznykh iskopayemykh (for Myagkova). 12. Gosudarstvennyy institut po proyektirovaniyu predpriyatiy tsvetnoy metallurgii (for Gaylit).

ORIENTAL, Y. T.

Fourth Plenary of the Central Committee of the Trade Union of  
Metalworkers. 38. st. no. 38 no. 7:95-96, 3 of cover. 11 '65.

(MIRA 18:8)

SKORNYAKOVA, A., zasluzhennyy uchitel' professional'no-tekhnicheskogo  
obrazovaniya RSFSR

Extent of student participation in class. Prof. tekhn. obr. 21  
no. 4:9-12 Ap '64. (MDA 17:5)

1. Galichskoye sel'skoye professional'no-tekhnicheskoye uchilishche  
No.2, Kostromskaya oblas'.

AL'PEROVICH, Iosif Simonovich; VARENIK, Anastasiya Nikolayevna;  
SKORUYAKOVA, Ella Samoylovna; GARVIN, L.I., red.; CHUNAYEVA,  
Z.V., tekhn. red.

[First aid in traumatic shock and terminal states] Skoraia me-  
ditsinskaia pomoshch' pri travmaticheskom shoke i terminal'-  
nykh sostoianiiakh; opyt Leningradskoi stantsii skoroi pomoshchi.  
Leningrad, Medgiz, 1961. 51 p. (MIRA 15:4)  
(SHOCK) (DEATH, APPARENT)  
(FIRST AID IN ILLNESS AND INJURY)

SKORNYAKOVA, L.K.

Improvements in day nurseries. *Pediatrics*, Moskva No.1:40-42 Jan-Feb 51. (CML 20:6)

1. Head of the Department of Nurseries and Children's Homes of the Administration Therapo-Prophylactic Aid to Children of the Ministry of Public Health USSR.

SKORNYKOVA, L.K.; STANTSO, Ye.I.

Brief news. Vop.okh.mat. i det. 1 no.1:95-96 Ja-F '56. (MIRA 9:9)  
(PUBLIC HEALTH) (ABORTION)

SKORNYAKOVA, L.K.

Care for the health of orphans. Vop.okh.mat. 1 det. 2 no.5:53-59  
S-O '57. (MIRA 10:12)

1. Nachal'nik Upravleniya lechebno-profilakticheskoy pomoshchi  
detyam i msteryam Ministerstva zdravookhraneniya RSFSR.  
(ORPHANS AND ORPHANAGES)

BUBNOVA, M.M., prof., otv.red. (Moskva); ORIGOR'YEVA, N.N., otv.red. (Moskva);  
LIBOV, A.L., prof., otv.red. (Leningrad); SKORNYAKOVA, L.K., otv.  
red. (Moskva); TUR, A.F., prof., otv.red. (Leningrad); LYUDKOVSKAYA,  
N.I., tekhn.red.

[Transactions of the All-Russian Conference of Pediatricians on  
Problems in "Pneumonia and Antibiotics"] Trudy Vserossiiskoi nauchnoi  
konferentsii detskikh vrachei po problemam "Pnevmonia" i "Antibio-  
tiki". Otv.red.M.M.Bubnova i dr. Moskva, Gos.izd-vo med.lit-ry,  
1959. 215 p. (MIRA 14:1)

1. Vserossiyskaya nauchnaya konferentsiya detskikh vrachei po proble-  
mam "Pnevmoniya" i "Antibiotiki." Moscow, 1957. 2. Deystvitel'nyy  
chlen Akademii meditsinskikh nauk SSSR (for Tur).  
(PEDIATRICS--CONGRESSES) (PNEUMONIA) (ANTIBIOTICS)



SKORNYAKOVA, L.K. (Moskva)

Organization of medical care for women and children in Finland.  
Zdrav. Ros. Feder. 4 no.6:37-41 Je '60. (MIRA 13:9)  
(FINLAND—WOMEN—MEDICAL CARE)  
(FINLAND—CHILDREN—MEDICAL CARE)

GRIGOR'YEVA, N.N., otv.red.; BUBNOVA, M.M., prof., red.(Moskva); VLASOV, V.A., prof., red. (Moskva); SKORNYAKOVA, L.K., red. TUR, A.F., zasl. deyatel' nauki, prof., red.(Leningrad); ROMANOVA, Z.A., tekhn. red.

[Transactions of the First All-Russian Congress of Pediatricians]  
Trudy Pervogo Vserossiiskogo s"zda detskikh vrachei. Otv.red.N.N.  
Grigor'eva. Red.koll.: M.M.Bubnova i dr. Moskva, Gos.izd-vo med.  
lit-ry, 1961. 308 p. (MIRA 14:12)

1. Vserossiyskiy s"yezd detskikh vrachey, 1st, Moscow, 1959. 2. Zamestitel' ministra zdravookhraneniya RSFSR (for Grigor'yeva). 3. Nachal'nik Upravleniya lechebno-profilakticheskoy pomoshchi materiyam i detyam Ministeterstva zdravookhraneniya RSFSR (for Skornyakova).
  4. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for Tur).
- (PEDIATRICS--CONGRESSES)

SKORNYAKOVA, L.K.

Immediate problems in the health protection of children. *Pediatrics*  
no.1:3-7 '62. (MIRA 15:1)  
(CHILDREN—CARE AND HYGIENE)

SKORNYAKOVA, L. K.,

"The organization of the medical service for the benefit of the Soviet infant population"

report to be submitted for the 1st Intl. Conference on Living Conditions and Health in the Mediterranean and Black Sea Basin (IMA), Palermo, Italy, 17-20 Oct 63

STUDENIKIN, M.Ya.; SKORNYAKOVA, L.K.

Current problems in pediatrics. Pediatriia 42 no.1:3-7  
Ja'63. (MIRA 16:10)  
(PEDIATRICS)

SKORNYAKOVA, L.K., red.; BODYAZHINA, V.I., prof., red.; BARTOL'S,  
A.V., red.

[Ways of decreasing perinatal mortality; transactions] Puti  
snizheniia perinatal'noi smertnosti; trudy. Pod red. V.I.  
Bodiazhinoi i L.K.Skorniakovoi. Moskva, Meditsina, 1964.  
31 p. (MIRA 17:6)

1. Simpozium po bor'be s perinatal'noy smertnost'yu,  
Moscow, 1962.

SPORNYAKOV, I.K., red.

[experience in medical service for children] Opyt meditsinskogo obsluzhivaniia detei. Moskva, Meditsina, 1964.  
(MIRA 17:8)  
77 p.

DOMBROVSKAYA, YU.F., prof.(Moskva); otv. red.; GROMBAKH, S.M.,  
prof, prof., red.; ISAYEVA, L.A., dots (Moskva), red.;  
NOSOV, S.D., prof., red.; PONOMAREVA, P.A., prof., red.;  
SKORNYAKOVA, L.K., red.; SOKOLOVA, K.F., prof., red.;  
SOKOLOVA-PONOMAREVA, O.D., prof., red.; TUR, A.F., prof.,  
red.; KHOKHOL, Ye.N., prof., red.; ISAYEVA, L.A., red.

[Transactions of the Eighth All-Union Congress of  
Pediatricians] Trudy VIII Vsesoiuznogo s"ezda detskikh  
vrachei. Moskva, Meditsina, 1964. 530 p. (MIRA 17:8)

1. Vsesoyuznyy s"yezd detskikh vrachei. 8th, Kiev, 1962.
2. Zaveduyushchaya kafedroy detskikh bolezney AMN SSSR,  
Deystvitel'nyy chlen AMN SSSR (for Dombrovskaya).
3. Za-  
mestitel'direktora Instituta pediatrii AMN SSSR (for  
Nosov).
4. Zamestitel' nachal'nika upravleniya spetsiali-  
zirovannoy meditsinskoy pomoshchi Ministerstva zdрави-  
ookhraneniya SSSR (for Skornyakova).
5. Glavnyy pediater  
Ministerstva zdravookhraneniya RSFSR (for Sokolova).
6. Deystvitel'nyy chlen AMN SSSR (for Sokolova-Ponomareva).
7. Predsedatel' Vserossiyskogo obshchestva detskikh vrachei,  
Deystvitel'nyy chlen AMN SSSR (for Tur).
8. Zaveduyushchiy  
kafedroy detskikh bolezney Kiyevskogo meditsinskogo instituta,  
Chlen-korrespondent AMN SSSR (for Khokhol).



SKORNYAKOVA, E.S.

Use of neuroleptic substances in the early prevention and treatment of traumatic shock under first aid conditions. Vest.khir. 86 no.2:32-37 '61. (MIRA 14:2)

1. Iz Leningradskoy stantsii skoroy pomoshchi (gl. vrach - V.N. Golyakov, nauchn. rukovoditel' - prof. A.N. Berkutov)  
(SHOCK) (FIRST AID IN ILLNESS AND INJURY)  
(PSYCHOPHARMACOLOGY)

KRIVOLUTSKIY, A.Ye.; KRAIN, V.Y.; Prinimali uchastiye: VOSKRESENSKIY, S.S.;  
SKORUYANOVA, L.A.; KUZ'NITSKAYA, K.S.

Geographical zonality of principal exogenous processes. Zhizn' Z3m.  
no.1:85-90 '61. (MIRA 15:6)  
(Physical geography)

Country : USSR  
 Category= : Human and Animal Physiology. T  
 Blood Circulation. Vessels.  
 Abs. Jour. : Ref Zhur-Biol., No 23, 1958, 106479  
 Author : Skorayakova, L. P.  
 Institut. : All-Union Society of Anatomists, histologists,\*  
 Title : The Significance of Reduced Blood Circulation  
 in Ligations of Large Blood Vessels of the Ab-  
 dominal Cavity.  
 Orig. Pub. : Sb. nauchn. rabot Sverd. otd. Vses. o-va  
 anatomov, gistologov i embriologov, 1957, vyp.  
 1, 70-73  
 Abstract : Sudden ligation (in 2 dogs) of the abdominal  
 aorta and of the vena cava below the renal ves-  
 sels caused paralysis of the caudal portion of  
 the body and anuria. Death followed 20-24 hours  
 later. Gradual ligation of the same vessels (in  
 4 dogs), performed in two steps (stenosis of  
 the abdominal aorta and the vena cava, and liga-  
 tion of these vessels at the same level one  
 month later), did not destroy the functions of  
 posterior extremities. This operation did  
 Card: 1/2  
 \*and Embryologists, Sverdlovsk Branch.

SKORNYAKOVA, L. P., Cand Med Sci -- "Ligature of the ~~peri-~~<sup>abdominal</sup>  
~~toneal~~ aorta above the renal arteries with ~~resulting to the~~<sup>the experimental creation</sup>  
kidneys an additional collateral blood circulation, ~~under~~<sup>of a supplementary</sup>  
~~experiment.~~<sup>kidney</sup>" Perm', 1961. (Perm' State Med Inst) (KL,  
8-61, 264)

- 521 -

SKORNYAKOVA, M.N., assistant

Diagnosis and therapy of some forms of amenorrhea. Akush. i  
gin. 39 no.4:29-33 J1-Ag'63 (MIRA 16:12)

1. Iz kafedry akusherstva i ginekologii (zav. - doktor med.  
nauk I.I. Benediktov) Sverdlovskogo meditsinskogo instituta  
ginekologicheskoy kliniki Instituta okhrany materinstva i  
mladenchestva (dir.-kand.med. nauk R.A.Malyшева) i endokri-  
nologicheskogo otdeleniya (zav. - prof. Ye.I.Kvater) Institu-  
ta akusherstva i ginekologii (dir. - prof. O.V.Makeyeva) Mi-  
nisterstva zdravookhraneniya RSFSR.

SKURNYAKOVA, N. S.

Dissertation: "Configuration and Properties of 9, 10-Cetadecenoic Acids and Their Esters."  
Cand Chem Sci, Odessa State U, Odessa, 1953. Referativnyy Zhurnal--Khimiya, Moscow, No 13,  
Jul 54.

SO: SUM No. 356, 25 Jan 1955

SKORNYAKOVA, N. S.

1248. The determination of 1:2-dichloroethane. I. F. I. Trishin, E. G. Maleeva and N. S. Skornyakova. Trudy Odessk. Tekhnol. Inst. 1955, 3, 103-111; Ref. Zhur., Khim., 1956, Abstr. No. 26,017.—A study has been made of the determination of 1:2-dichloroethane (I) by reduction with metallic Na (II) in ethyl, isobutyl or isamyl alcohol and in ethanediol. The determination was carried out in acetic acid by the action of Ca and Mg, and also by alcoholic KOH, by catalytic hydrogenation on a skeletal nickel catalyst in the presence of alcoholic KOH, and by the action of alcohols on II. The experiments showed that the action of alkali or an alcoholate in all alcohols on warming is to split off Cl from I; the higher the b.p. of the alcohol, the greater is the percentage of Cl replaced, but it is impossible to remove Cl completely, even by boiling, for 10 hr. The action of II as an alcoholate causes removal of Cl from I to proceed more rapidly than the action of alkali soln. Hydrogenation of I in the presence of a skeletal nickel catalyst proceeds more rapidly with hydrogen obtained by the action of II on alcohol than with molecular hydrogen, and is the most rapid method for determining Cl in I (96% of Cl in 20 min.; increasing the duration of the experiment does not improve the results).

C. D. KOPKIN

Skornyakova, N.S.

2

6006

Chem

Configuration and properties of unsaturated acids and their derivatives. IV. Oxidation of octadecenoic acids and their esters with benzoyl hydroperoxide. A. K. Pilyay and N. S. Skornyakova (Univ. Odessa). Zhur. Obshch. Khim. 26, 57-60 (1956) (Engl. translation); cf. C.A. 48, 12674d; 50, 3384c. Oxidation of octadecenoic acid derivs. was run in Me<sub>2</sub>CO with BzO<sub>2</sub>H at 10.4° and 20°. The results shown graphically indicate that oleic and petroselinic acids are oxidized more rapidly than elaidic and petroselaidic acids. The Me esters are oxidized less rapidly than the free acids, while 2-naphthyl esters are less rapidly attacked than the Me esters. The decline of reaction rate in passing from acids to esters is more pronounced for elaidic than oleic derivs. Reaction of 2-C<sub>18</sub>H<sub>35</sub>OH with the acyl chloride in presence of pyridine gave 2-naphthyl oleate, b, 285-9°, and 2-naphthyl elaidate, m, 34°, b, 285-95°; only the former could be prepd. from the acyl chloride and 2-C<sub>18</sub>H<sub>35</sub>OK.

G. M. Kosolapoff

pm



SKORNYAKOVA, N.S.,  
DUDKIN, M.S., kand. tekhn. nauk; SKORNYAKOVA, N.S., kand. khim. nauk.

Fractional crystallization of whale oil acids with urea. Masl.-zhir.  
prom. 24 no.3:19-21 '58. (MIRA 11:4)

1. Odesskiy tekhnologicheskiy institut imeni I.V. Stalina.  
(Whale oil) (Acids, Fatty) (Urea)

DUDKIN, M.S.; SKORNYAKOVA, N.S.

Investigating collectivit obtained from by-products of the groat  
industry. Izv.vys.ucheb.zav.;khim.i khim.tekh. 4 no.4:693-694  
'61. (MIRA 15:1)

1. Odesskiy tekhnologicheskii institut imeni I.V.Stalina, kafedra  
organicheskoy khimii.

(Collectivit)

DUDKIN, M.S.; SKORNYAKOVA, N.S.; SHKANTOVA, N.G.

Action of nitric acid on polysaccharides in grain hulls and capsules. Zhur.prikl.khim. 34 no.10:2320-2327 0 '61.

(MIRA 14:11)

1. Kafedra organicheskoy khimii Odesskogo tekhnologicheskogo instituta imeni I.V.Stalina.

(Nitric acid) (Polysaccharides)

DUDKIN, M.S.; SUKANTOVA, N.G.; SKORNYAKOVA, N.F.; RUZER, V.V.

Chemical composition and hydrolysis of the hemicelluloses  
of pea and soybean hulls. Biokhim. zer. i khlebopek.  
no.7:202-208 '64. (MIRA 17:9)

1. Odesskiy tekhnologicheskiy institut imeni Lomonosova.

L 27635-66 EWI(1) SUTB DD

ACC NR: AP6018430

(A,N)

SOURCE CODE: UR/0325/65/000/003/0125/0129

AUTHOR: Dudkin, M. S.; Shkantova, N. G.; Khait, S. Z.; Skornyakova, N. S.

ORG: Department of Organic Chemistry, Odessa Technological Institute (Kafedra organicheskoy khimii Odesskogo tekhnologicheskogo instituta)

TITLE: Sea <sup>2</sup>algae Cystoseira and Cladophora as raw materials for obtaining simple sugars and yeasts for feed

SOURCE: Nauchnyye doklady vysshey shkoly. Biologicheskkiye nauki, no. 3, 1965, 125-129

TOPIC TAGS: algae, yeast, polysaccharide, hydrolysis, protein, polymerization

ABSTRACT: The article describes the hydrolysis of polysaccharides of the sea algae Cystoseira and Cladophora and estimates the efficiency of growing yeasts for feed (strains Kr-9 and SD-10) on the hydrolysates. The greatest yield of biomass was with SD-10. The yeasts obtained were dark in color, morphologically normal, but somewhat smaller than ordinary (feed yeasts grown on Rider's medium. "Raw" protein content ranged from 40.62 to 51.56%, with the higher percentage observed in yeasts grown on Cladophora hydrolysate. The biomass of dry yeasts obtained from one ton of raw material ranged from 40 to 52 kg. Cystoseira and Cladophora contain from 37 to 52% polysaccharides; this corresponds to 42-58% of monosaccharides in the hydrolysates.

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after complete polymerization of the polysaccharides. For an average yeast yield of 50% of the reducing substances, every ton of absolutely dry algae can serve as the source of 210-290 kg of absolutely dry yeasts. Since Cystoseira and Cladophora contain 11% nitrogenous substance, supplementary enrichment with protein is called for. Orig. art. has: 7 tables. [JPRS]

SUB CODE: 06, 07 / SUBM DATE: 02Sep64 / ORIG REF: 005

Card 2/2 CC

*Skornyakova, N. S.*

USSR/ Geology - Petrography

Card 1/1      Pub. 22 - 42/49

Authors      : Skornyakova, N. S.

Title        : Mineralogical composition of deposits in the submerged depression along the western shores of the Central Caspian Sea

Periodical   : Dok. AN SSSR 101/3, 553-556, Mar 21, 1954

Abstract     : Seventy-eight quantitative analyses were made to determine the mineralogical composition of deposits extracted from the underwater depression of the western shores of the Caspian Sea. The results obtained are tabulated. Seven USSR references (1935-1953). Drawings.

Institution   : Acad. of Sc., USSR, Inst. of Geol. Sc., Geol. Sea Expedition

Presented by : Academician D. I. Shcherbakov, December 1, 1954

SKORNYAKOVA, N.S.

✓ Mineralogical composition of sediments of the subaquatic slope of the litoral in the Middle Caspian Sea. N. S. Skorn-  
62 yakova. *Doklady Akad. Nauk S.S.S.R.* 101, 533-6 (1955).  
78 min. analyses were performed, with detus. of mag-  
netite, ilmenite, pyrite, epidote, micas, amphibole, actin-  
olite, augite, diopside, tourmaline, rutile, zircon, kyanite,  
staurolite, sillimanite, chlorite, glauconite, apatite, calcite,  
and dolomite. The 4 typical provinces of terrigenous de-  
posits are (1) amphibole-epidote-magnetite rocks; (2)  
mica-epidote rocks; (3) magnetite + stable mineral de-  
posits; (4) augite-epidote sediments. Province 1 extends  
to a depth of 30 to 50 m. under the water surface in the  
northern parts of the mapped area, with quartz and much  
feldspar as light minerals. Province 2 is found in depths  
of 15 to 30 m. in the north and 100 to 180 m. in the south-  
ern area, with pyrite and limonite in the heavy, with much  
quartz and feldspar and brecciated rock detritus in the light  
fractions. Province 3 is observed in depths of 18 to 20 m.  
with stable minerals (garnets, rutile, tourmaline, zircon) +  
magnetite and ilmenite; some glauconite in the light frac-  
tions, shells, and oolites. Province 4 is a sand in 12 to 18 m.  
depths, with augite (rarer diopside) + epidote, much limonite,  
and brecciated effusive rock detritus, clays, etc. An intense  
study of the material of the fluvial sediments, transported  
into the Caspian Sea, shows very characteristic interrelations  
of the petrologic type of the river deposits to the provinces;  
a map is given which shows the hydrodynamic currents of  
sedimentation, e.g., with the center of the outflow of River  
Samur and some smaller rivers. Special convection cur-  
rents along the coast of Dagestan influence the areas of the  
provinces. W. Eitel



*Skornyakova, N. S.*  
USSR/Geology

Card 1/1      Pub. 22 - 42/59

Authors      : Skornyakova, N. S.

Title        : ~~Skornyakova, N. S.~~  
About the Quaternary period history of the Caspian Sea

Periodical   : Dok. AN SSSR 102/2, 351-353, May 11, 1955

Abstract     : Geological data are given regarding the history of the Quaternary period  
of the Caspian Sea. Five USSR references (1948-1954). Table; graphs.

Institution   : Acad. of Sc., USSR, Inst. of Geol. Sc.

Presented by : Academician D. I. Shcherbakov, December 3, 1954

SKORNYAKOVA, N. S.

USSR/Geology - Tectonics

Card 1/1      Pub. 22 - 42/54

Authors : Solovyev, V. F., and Skornyakova, N. S.

Title : Tectonic scheme of the underwater dip of the western shore of the central part of the Caspian Sea

Periodical : Dok. AN SSSR 102/5, 1009-1012, June 11, 1955

Abstract : Geological data are presented regarding the tectonic structure of the underwater depression in the western shore line of the central Caspian Sea. Seven USSR references (1934-1954). Drawing.

Institution : .....

Presented by : Academician N. S. Shatskiy, January 19, 1955

SHIREY, V.A., otv. red.; SKORNYAKOVA, N.S., red.

[Materials on oceanographic research; research ship "Vityaz'": Pacific Ocean, October 1958 - March 1959] Materialy okeanologicheskikh issledovaniy; ekspeditsionnoe sudno "Vityaz'": Tikhii okean, oktiabr' 1958 g. - mart 1959 g. Moskva. No.4. [Bottom sediments] Donnye otlozheniya. 1961. 41 p. (MIRA 14:11)

1. Akademiya nauk SSSR. Institut okeanologii.  
(Pacific Ocean—Sediments (Geology))

ADAMOV, G. V., BERNARDI, L. V., ZAKHAROV, L. K., ZAVITSKY, N. L., ZHURAVICH, N. L., ZHURAVOVA, A. G., GELMAN, M. I., KRYLOV, N. A., and UNIVERSITY of Moscow. "The origin of the bottom relief of the Pacific Ocean and its cartographic representation" (Section VII A)

ANDERSON, J. W. "Institute of Geology, Academy of Sciences USSR - The biogenic distribution in the Pacific Ocean" (Section VII C.1)

ANDERSON, J. W., and SHIMONOVA, N. S. "Institute of Oceanology - Bioplar distribution in the Pacific Ocean" (Section VII C.2)

ANDERSON, J. W., and SHIMONOVA, N. S. "Institute of Oceanology - The tectonic connections of the Pacific Ocean" (Section VII C.1)

ANDERSON, J. W., O. D. (Name blurred, but may be ANDERSON, G. D.), Institute of Geology of Ore Deposits, Petrography, Mineralogy, and Geochemistry - "Title of paper is blurred; following is approximate title" - "Nukhoyevich's discontinuity [sic] layer and petrographic data" (Section VII C)

BARANOV, L. M. "Institute of Earth Physics Lenin G. M. Schmidt - The character of stresses and ruptures in the earthquake foci of the Pacific seismic zone" (Section VII C.2)

BARANOV, V. V. "Institute of Geology, I.V.C. On the Pacific origin of the metamorphic facies" (Section VII C)

BENNETT, A. M. "Scientific Status Question" - "On the heat processes in the centers of the Pacific Ocean" (Section VII C)

BENNETT, A. M., "Institute of Oceanology - On the transformation of the heat processes of the Pacific drift and in the adjacent waters" (Section VII C)

BLOK, V. V., and NIKOLAI, M. M. "Institute of Earth Physics Lenin G. M. Schmidt - Genesis and age of the athermal depression of the sea of Japan" (Section VII C.2)

BRANOV, G. M. "Institute of Oceanology - Accumulations of squid beaks and shark teeth at the ocean floor" (Section VII C)

BRANOV, P. M. "Institute of Oceanology - Recent sedimentation and the geological history of the Okhotsk sea" (Section VII C.1)

BRANOV, P. M., and MURPHY, A. P., FRIEDL, Y. P., and SHIMONOVA, N. S. "Institute of Oceanology - Recent sediments of the Pacific" (Section VII C.1)

BRANOV, P. M., and VIKTOROV, M. Y., "Institute of Oceanology - Some specific features in the geotectonic distribution of abyssal pelagic animals (Amphipoda)" (Section VII C)

BRANOV, P. M., "Institute of Oceanology - The charts of orbital tides and the character of tidal phenomena in the Pacific Ocean" (Section VII C)

BRANOV, P. M., and BELYKH, V. V., and VIKTOROV, M. Y., "Institute of Oceanology - The distribution of the zooplankton biomass in the Pacific Ocean" (Section VII C)

BRANOV, P. M., "Institute of Geology Exploitation of Combustible Materials - The diagenetic changes in bottom sediments from the central part of the Pacific" (Section VII C.1)

BRANOV, P. M., "Institute of Geology - Sedimentation and the regularities in the distribution of mineral resources in the geosynclinal basins of the Tertiary period in the areas of Kamchatka and the Sakhalin Island" (Section VII C)

BRANOV, P. M., and ZAVITSKY, N. A., "Institute of Oceanology - Some chemical features of sediments and ground solutions present the latter in the Pacific (materials of the northeastern part)" (Section VII C.1)

BRANOV, P. M., "Institute of Oceanology - A study of equatorial currents in the world ocean" (Section VII C)

BRANOV, P. M., and VIKTOROV, M. Y., "Institute of Oceanology - The origin of the warm waters in the northern part of the Pacific Ocean" (Section VII A)

BRANOV, P. M., "Institute of Oceanology - The regions of formation and transition courses of anti-cyclones in the northern part of the Pacific Ocean" (Section VII A)

SKORNYAKOVA, N.S.